BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Impovements to Roads and Asphalting to Teachers Layout Main Roads in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.**

			Estimate Cost:					**1000000.00**	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 150/ Item No. 19.1/ PWD SR 2012-13**	Cum							
	Desilting of Drains								
	1st Main Road		2	250.00	0.45	0.35	78.75		
	2nd Main Road		2	220.00	0.45	0.30	59.40		
	Berm Cutting								
	1st Main Road		2	250.00	0.90	0.30	135.00		
	2nd Main Road		2	220.00	0.90	0.30	118.80		
							391.95	58.32	**22859.00**
	Basic Rate	54.00							
	Area Weightage @8%	4.32							
	Total	**58.32**							
2	Removing B.S. Slab Drain and stacking **(P.28/I.5.32 PWD SR - 2012-13)**	Sqm							
			2	120.00		1.35	324.00		
			2	100.00		1.35	270.00		
							594.00	44.47	**26418.00**
	Basic Rate	41.18							26415-0
	Area Weightage @8%	3.29							
	Total	**44.47**							
3	Refixing stone slabs of drains and pointing in CM (1:3) **(P.28/I.5.33 PWD SR - 2012-13)**	Sqm							37422
			Vide Item No.2				**594.00**	63.00	**37420.00**
	Basic Rate	58.33							
	Area Weightage @ 8%	4.67							
	Total	**63.00**							
4	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **(P.167/I.20.18) PWD SR - 2012-13.**	Cum							
	For Road Sides and Road Cutting Portions MR		2	250.00	1.00	0.15	75.00		
	2nd Main Road		2	220.00	1.00	0.15	66.00		
	For Pot hole fillings		1	250.00	5.00	0.15	187.50		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	2nd Main Road		1	220.00	5.00	0.15	165.00		
							352.50		
	Consider 20% of Total Length						70.50		
							211.50	1059.48	**224080.00**
	Basic Rate	981.00							
	Area Weightage @ 8%	78.48							
	Total	**1059.48**							
5	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **(P.172 / I.21.1) PWDSR 2012-13**	Sqm							
	1st Main Road		1	250.00	5.00		1250.00		
	2nd Main Road		1	220.00	5.00		1100.00		
							2350.00	9.29	**21827.00**
	Basic Rate	8.60							21832
	Area Weightage @ 8%	0.69							
	Total	**9.29**							
6	KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, **Page No. 172/ Item No. 21.6/ PWD SR 2012-13**	Sqm							
			Qty Vide Item No. 5				2350.00		
							2350.00	39.64	**93145.00**
	Basic Rate	36.70							93154
	Area Weightage @ 8%	2.94							
	Total	**39.64**							
7	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100**	Cum							
	1st Main Road 175 | 21.20.1		1	250.00	5.00	0.025	31.25		
	2nd Main Road		1	220.00	5.00	0.025	27.50		
							58.75		544661.0
	Consider 5% for Depress Filling and Camber						**2.94**		
							61.69	8829.00	**544639.00**

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Basic Rate	8175.00							
	Area Weightage @ 8%	654.00							
	Total	**8829.00**							
8	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**391.95**	72.71	**28497.00**
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
									1080.
9	Miscellaneous and other Charges	**L/S**							**1115.00**
								Total	**1000000.00**
	(Rs. Ten Lakhs Only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2012-13.
3 This work included under 2012-13 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs.....
Rupees Ten lakhs only
Under POW-2012-13
P-1771
Registered as EE ( ) No. 9
Subject to conditions contained in
enclosed memo EE (By) No. 769 /9/...
Dt 2-1-13 Estimate A/C sanctioned
JC MA No 769/1213
dated 2-1-13 Rs 10.00 lakhs

Technical Sanction for Rs. 10.00 lakhs Ten lakhs Rs only Cancelled
under POW - 2012-13
P-1771
registered as EE No: 383 /..... Subject to conditions contained enclosed memo.
No: 383/12-13 /..... Dr. 10-1-13
AE/JE
EE (BTP. Div.)

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92.